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Water Supply Outlook For Wyoming



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

STATE ENGINEER of WYOMING

AS OF
MAY 1, 1979

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: VIEW OF A SNOTEL DATA SITE IN THE SNOWY RANGE IN WYOMING. TALL CYLINDRICAL DEVICE IS A PRECIPITATION GAGE. SNOW PILLOWS ON THE GROUND NOT VISIBLE DUE TO SNOW COVER. SHELTER HOUSE, ANTENNA TOWER, ANTENNA, AND TEMPERATURE UNIT ARE VISIBLE BEHIND THE PRECIPITATION GAGE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR WYOMING

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D C.

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|||||
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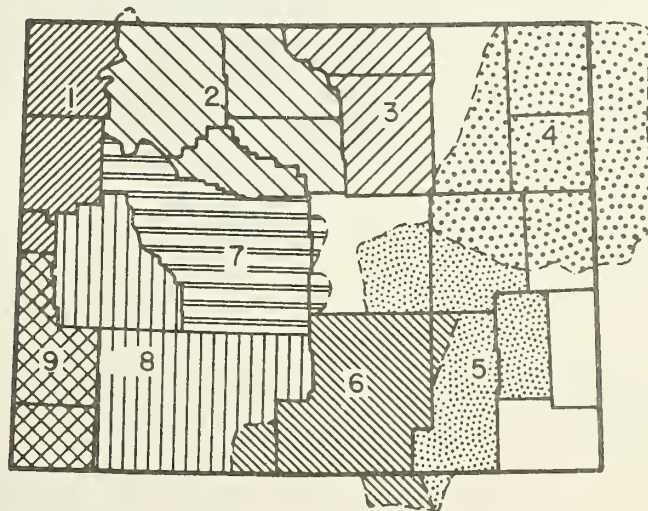
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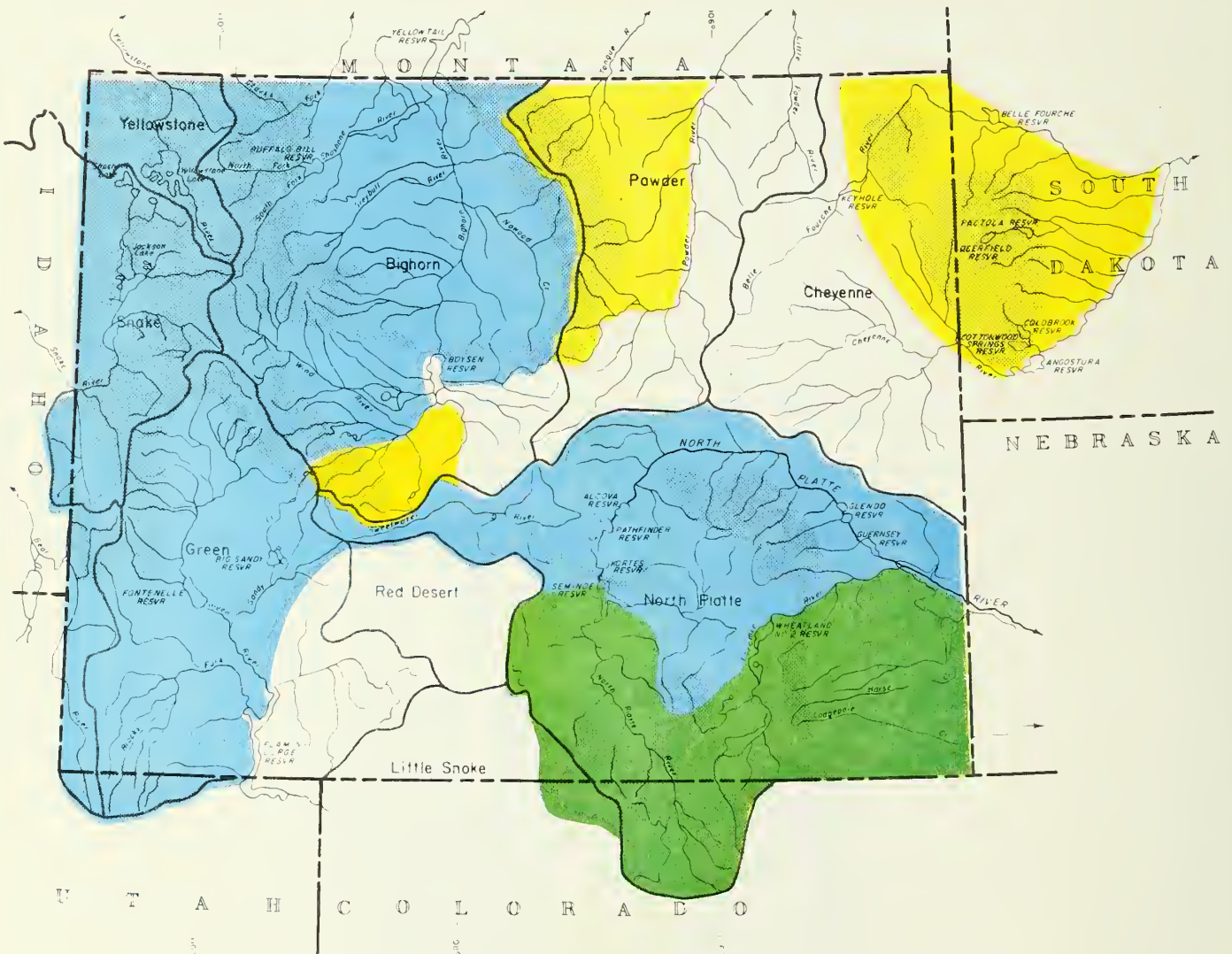


WATERSHED AREA LOCATIONS

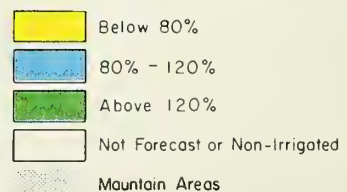
PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

May 1, 1979

50 0 50 MILES
SCALE 1 : 4,250,000



FORECAST STREAM FLOW
In Percent of 1963-77, 15 Year Average



WYOMING SUMMARY

as of
MAY 1, 1979

* * * * *
*
* *Excellent water supplies from mountain snowmelt are expected in the upper Platte and Laramie drainages while the outlook for the rest of the state ranges from a little below on the west side to well below normal in the Black Hills area.*
*
* * * * *

SNOWPACK

Most mountain snowpacks have suffered large losses during April and now have below normal amounts compared to the average May 1 condition. The Upper North Platte and Laramie River headwaters continue to be highest in the state. The Little Laramie River boasts of 35 percent above normal. The North Platte as a whole is 12 percent above normal. Very sparse mountain precipitation in other areas along with warm temperatures have left snowpacks on the Tongue River at 32 percent below normal; Little Popo Agie at 31 percent below normal; and the Powder Basin at 23 percent below normal.

PRECIPITATION

Low elevation precipitation for April was scant with most stations statewide receiving only 25 to 50 percent of the normal for the month. Four stations north and east of Casper recorded about 1½ inches of rainfall, otherwise most stations received less than a half inch of precipitation.

....continued next page



*Snow measuring techniques
...then and now*

Subnormal precipitation during the normally wet month of April substantially cut seasonal percentages especially in the Bighorn Basin and in the north-east. Seasonal averages now are near normal in the southeast through the Bighorn Basin, 80 to 90 percent of average in the northwest and 50 to 75 percent of normal in the northeastern and southwestern corners of the state.

STREAMFLOW

Many forecasts of spring and summer runoffs have been decreased from April projections as a result of subnormal precipitation. The North Platte River at Sinclair, Wyoming is highest with 35 percent above normal flows expected. Other streams in that area are all in the 20 percent above normal range. As a drastic contrast, streamflows in the Black Hills will be much below normal with all snow measuring sites bare of snow on May 1. Streamflow outlooks are in the 70 to 80 percent of normal range in the Powder-Tongue River basin, while the rest of the state is generally in the 80 to 90 percent of normal range.

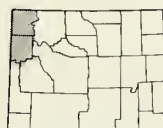
RESERVOIR STORAGE

Thirteen of Wyoming's largest reservoirs are storing 57 percent of their usable capacity. Summer supplies should be very good. This figure is 7 percent higher than normal for May 1.

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
WATER SUPPLY OUTLOOK

MAY 1, 1979



LOCATION MAP



LEGEND

- SNOTEL
- Snow Course
- Snow Sensor
- Aerial Marker (A)
- Storage Precipitation Gage (P)
- Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary

0 0 10 20 MILES
SCALE 1:1,815,000



YOUR WATER SUPPLY

SUBNORMAL APRIL PRECIPITATION HAS ALLOWED SNOWPACKS TO FALL BEHIND THEIR AVERAGE CONDITION ON MAY 1. MOST STREAMFLOWS ARE FORECAST IN THE 80-90% OF NORMAL RANGE. USABLE STORAGE AT JACKSON LAKE IS 15% BELOW THE USUAL VOLUME.

SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
BASIN, STREAM and/or FORECAST POINT					
Yellowstone River at Yellowstone Lake Outlet	720	84	Apr-Sept	852	860
SNAKE River near Moran (1)	800	86	Apr-Sept	950	903
SNAKE River above Palisades near Alpine (1)	2400	87	Apr-Sept	3227	2755
SNAKE River at Heise (2)	3700	87	Apr-Sept	5028	4247
Pacific Creek at Moran	160	88	Apr-Sept	-	182*
Greys River above Palisades	370	92	Apr-Sept	460	403
Salt River above Palisades near Etna	380	93	Apr-Sept	547	405
Palisades Reservoir Inflow	3450	89	Apr-Sept	4698	3863
Swift Creek near Afton	- Not Forecast -		May-Sept	-	-

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

* Average contains less than 15 years.

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Madison (Wyo. only)	3	112	96
Yellowstone (Wyo. only)	4	83	78
SNAKE ab. Jackson Lake	2	88	100
Buffalo Creek	1	76	86
Gros Ventre River	3	84	87
Greys River	1	65	82
Salt River	4	76	80

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Grassy Lake	15.1	13.0	9.9	11.1
Jackson Lake	847.0	487.9	330.2	572.3
Palisades	1200.0	710.1	315.6	666.3

+ 1963-1977 period.

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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIGHORN BASIN IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE RURAL CONSERVATION SERVICE



YOUR WATER SUPPLY

SPRING AND SUMMER WATER SUPPLY OUTLOOK RANGES FROM 74% OF NORMAL ON TENSLEEP CREEK TO 93% OF NORMAL ON THE SHOSHONE RIVER. CLARK'S FORK SNOWPACK REMAINS NEAR NORMAL WHILE OTHER AREAS HAVE BEEN DEPLETED BY VERY LOW APRIL SNOWFALLS. RESERVOIR STORAGE IS ABOVE THE USUAL MAY 1 VOLUME.

BIGHORN BASIN

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year**	Average †
Wind River below Boysen (1)	1050	88	Apr-Sept	1332	1193
Tensleep Creek near Tensleep	65	74	Apr-Sept	-	88*
Medicine Lodge Creek near Hyattville	19	82	Apr-Sept	-	23*
Shell Creek near Shell	63	80	Apr-Sept	97	79
Greybull River at Meeteetse	200	88	Apr-Sept	222	226
Shoshone River below Buffalo Bill Dam (2)	800	93	Apr-Sept	1037	864
Clarks Fork near Belfry	580	90	Apr-Sept	-	644

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

* Less than 15 years in period of average

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Clarks Fork	5	91	97
Shoshone	4	107	61
Nowood	5	68	71
Shell	4	69	74

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont (in.)	Water Content (inches)	
				Last Yr.	Ave.†
Bald Mountain	4/28	65	22.3	34.3	31.1
Bear Trap Aerial	4/28	25	8.0	9.7	-
Bone Spring Divide	4/28	60	16.4	21.7	24.1
Carter Mountain	4/28	24	5.6	0.0	7.8
Cooke Station	4/30	60	23.2	27.9	22.7
East Entrance	5/02	0	0.0	0.0	4.0
Fisher Creek	4/30	96	40.7	47.0	45.1
Five Springs Falls	4/30	12	2.9	8.9	8.3
Marquette Creek	4/28	26	5.8	4.5	-
Medicine Lodge Lakes	4/28	48	13.3	18.3	13.9
Middle Powder	4/29	30	8.2	16.0	16.8
Northeast Entrance	4/30	22	8.0	6.8	8.5
Onion Gulch	4/28	28	7.3	12.1	11.0
Owl Creek	5/07	28	7.8	0.0	7.8
Powder River Pass	4/28	38	11.4	12.8	14.4
Ranger Creek	4/28	26	7.2	12.4	10.5
Shell Creek	4/28	55	16.0	21.0	18.2
Sylvan Pass	5/02	14	5.4	11.0	11.0
Timber Creek	4/28	16	4.9	0.0	5.0
Tyrell Ranger Station	4/28	28	6.9	10.4	10.2
White Mill	4/30	77	30.7	37.1	31.9
Wolverine	4/29	38	14.8	10.4	12.3

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

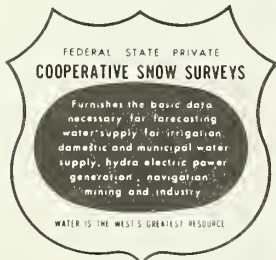
RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Boysen	549.9	253.8	184.0	250.1
Buffalo Bill	373.1	142.7	145.4	133.2
Bighorn	613.7	924.8	801.8	783.9*
Upper Sunshine	53.0	47.4	26.4	-
Lower Sunshine	58.9	27.2	17.4	-

*Average is for 1958-72 period

+ 1963-1977 period

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POWDER AND TONGUE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
Tongue River near Dayton	95	74	Apr-Sept	174	129
Middle Fork Powder River near Barnum	14	64	Apr-Sept	33	22
North Fork Powder River near Hazelton	8.0	75	Apr-Sept	17.8	10.9
Clear Creek near Buffalo	33	85	Apr-Sept	67	39
Rock Creek near Buffalo	20	77	Apr-Sept	34	26
Piney Creek at Kearny	44	77	Apr-Sept	109	57

†† Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.
 * Less than 15 years of record.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Tongue River	9	78	68
Goose Creek	3	80	75
Clear Creek	3	91	81
Crazy Woman Creek	3	87	81
Powder River	5	73	69

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont (in.)	Water Content (inches)	
				Last Yr.	Ave.†
Bald Mountain	4/28	65	22.3	34.3	31.1
Big Goose	4/28	27	6.9	7.1	11.0
Bone Spring Divide	4/28	60	16.4	21.7	24.1
Burgess Ranger Station	4/28	24	7.3	9.4	11.2
Bear Trap Aerial	4/28	25	8.0	9.7	-
Cloud Peak Aerial	4/28	31	9.9	13.4	-
Dome Lake	4/28	34	9.0	12.0	13.6
Five Springs Falls	4/30	12	2.9	8.9	8.3
Geneva Pass Aerial	4/28	46	13.3	17.9	-
Middle Powder	4/29	30	8.2	16.0	16.8
Muddy Creek Guard Station	4/28	19	5.6	3.0	4.6
North Tongue	4/28	41	12.7	15.2	16.6
Onion Gulch	4/28	28	7.3	12.1	11.0
Powder River Pass	4/28	38	11.4	12.8	14.4
Sawmill Divide	4/28	46	13.2	15.9	-
Shell Creek	4/28	55	16.0	21.0	18.2
Soldier Park	4/28	25	6.6	7.2	8.2
Sour Dough	4/28	26	7.0	7.3	8.2
Steamboat Point	4/28	27	8.2	7.9	12.9
Sucker Creek	4/28	32	9.1	15.3	17.8
Woodrock Guard Station	4/28	33	10.1	13.7	14.7

RESERVOIR STORAGE (Thousand Ac. Ft.)

END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
- No Reservoir Data -				

A - Aerial stadia marker. Water content estimated. + 1963-1977 period

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WATER SUPPLY OUTLOOK

FOR THE CONSERVATION DISTRICTS IN THE BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS IN WYOMING AND SOUTH DAKOTA



YOUR WATER SUPPLY

SNOW MEASURING SITES WERE ALL BARE OF SNOW ON THE MAY 1 DATE, WELL AHEAD OF THE USUAL MELTOUT. WITHOUT NORMAL OR HEAVY SPRING RAINFALL, STREAMS WILL FLOW WELL BELOW THEIR USUAL VOLUMES. RESERVOIR STORAGE, HOWEVER, REMAINS ABOVE NORMAL.

BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average	PERIOD	Last Year Average †
- No forecasts for this area -				

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Belle Fourche	3	0	0
(No snow on May 1)			

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches) Last Yr.	Ave †
Bearlodge Divide	4/30	0	0.0	0.0	1.1
Mallo Pillow	4/30	0	0.0	0.0	-
Mount Tom Pillow	-No Report-			-	-
Reuter Canyon	4/30	0	0.0	0.4	6.9
Sweetwater Mtn. Pillow	4/30	0	0.0	0.0	-
Warren Peak	4/30	0	0.0	1.8	8.8

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Keyhole	190.4	161.9	143.7	129.3
Belle Fourche	185.2	184.4	179.5	157.2
Angostura	86.2	85.1	81.8	77.0
Deerfield	15.1	15.1	15.2	14.7
Pactola	55.0	54.4	53.3	52.2
Shadehill	81.5	84.2	86.3	66.8

+ 1963-1977 period

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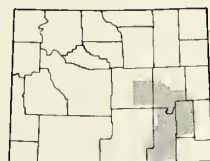
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WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER NORTH PLATTE RIVER WATERSHED IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
WATER RESOURCES DIVISION

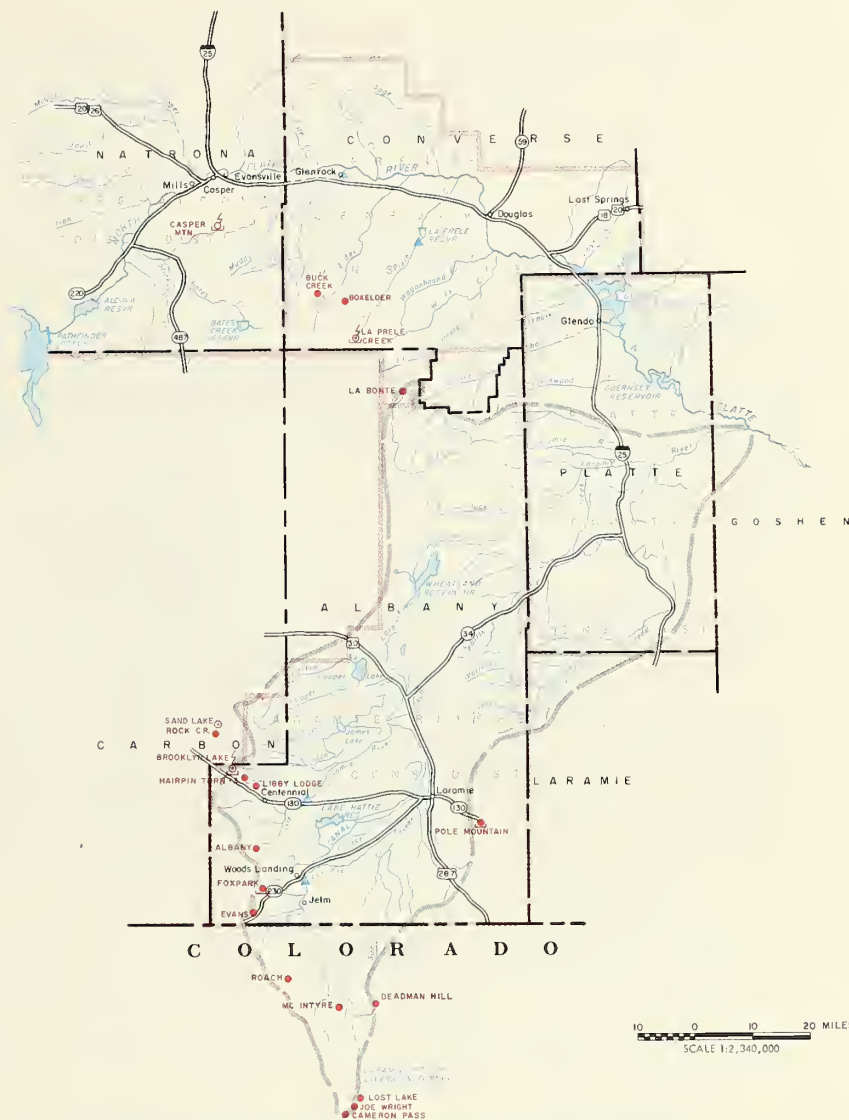
MAY 1, 1979



LOCATION MAP



- LEGEND**
- SNOTEL
 - Snow Course
 - Snow Sensor
 - Storage Precipitation Gage (P)
 - ▲ Stream Gaging Station
 - Drainage
 - Highway
 - Conservation District Boundary
 - Watershed Boundary



YOUR WATER SUPPLY

EXCELLENT SNOWPACK CONDITIONS PREVAIL IN THE UPPER NORTH PLATTE AND LARAMIE WATERSHEDS AND MUCH ABOVE AVERAGE STREAMFLOWS ARE FORECAST IN THESE AREAS. FLOWS OF 70 TO 80 PERCENT OF NORMAL ARE EXPECTED IN THE DEER AND LA PRELE CREEK DRAINAGES. RESERVOIRS ARE STORING 13% ABOVE THE NORMAL MAY 1 VOLUMES.

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Sinclair	920	135	Apr-Sept	876	680
Deer Creek at Glenrock	39	78	Mar-July	40	50
LaPrele Creek near Douglas (Ab. Reservoir)	26	84	Mar-July	23.9	31
Laramie River & Pioneer Canal near Woods (1)	150	120	Apr-Sept	149	125
Little Laramie River near Filmore	78	125	Apr-Sept	89	62

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper Laramie River	10	112	119
Little Laramie River	3	109	135
Laramie River	14	111	124
Lower North Platte	4	123	60
North Platte above Laramie River	23	96	108

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Last Yr.	Ave. †
Albany	4/27	46	18.9	16.7	13.8
Boxelder	4/29	15	5.2	2.2	7.9
Brooklyn Lake	4/27	73	30.6	33.1	24.6
Buck Creek	4/29	22	7.1	6.2	14.0
Cameron Pass	4/27	70	32.4	34.9	32.1
Casper Mountain	5/01	40	14.6	13.4	20.5
Deadman Hill	4/30	52	20.8	16.0	17.8
Evans	4/27	32	12.2	10.4	11.3
Foxpark	4/30	20	7.2	10.0	5.4
Hairpin Turn	4/27	56	23.2	21.6	17.8
Joe Wright	4/27	71	30.2	31.7	28.8
LaBonte	4/30	0	0.0	0.0	2.7
Libby Lodge	4/27	42	17.1	11.2	10.1
Lost Lake	4/27	36	13.3	11.4	9.6
McIntyre	4/26	40	14.4	9.1	10.7
Pole Mountain	4/27	15	5.1	0.0	3.5
Roach	4/26	71	26.8	22.2	19.5
Rock Creek	4/26	85	33.1	36.6	31.4

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1017.3	384.1	245.9	383.8
Pathfinder	1015.9	765.3	529.7	587.7
Alcova	30.7	25.1	25.6	24.9
Glendo	783.7	481.9	439.9	465.9
Guernsey	45.2	32.4	31.1	34.5
Wheatland #2	98.9	67.0	25.3	55.9

PROJECT WATER OWNERSHIP

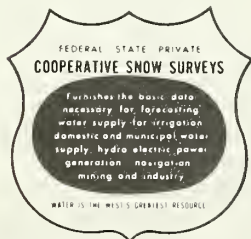
North Platte Project	1016.1	910.1	382.4	-
Kendrick Project	1201.6	669.6	788.8	-
Glendo Project Users	454.3	157.6	144.7	-

+ 1963-1977 period.

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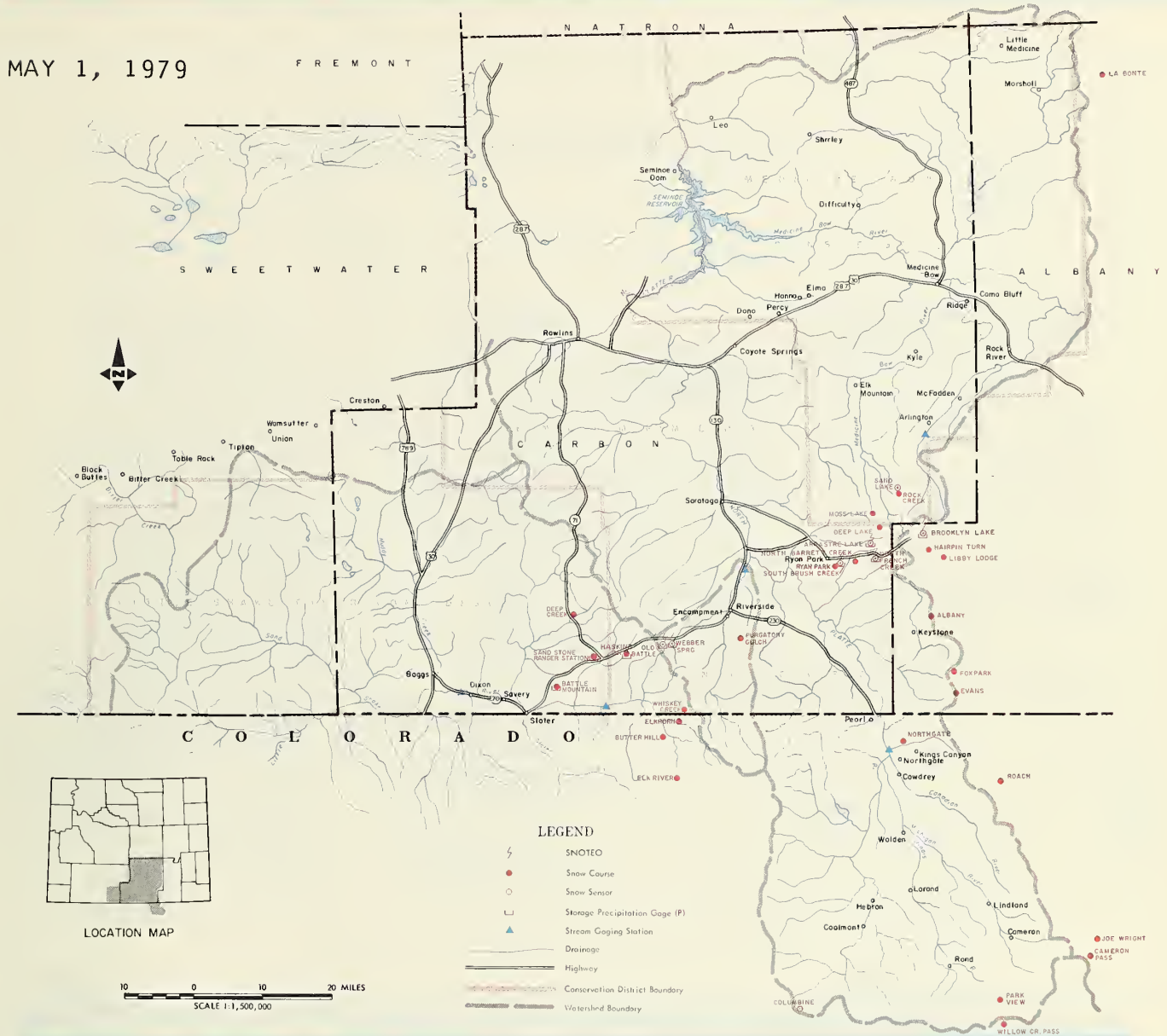


FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
WATER RESOURCES DIVISION



YOUR WATER SUPPLY

EXCELLENT SNOWPACK CONDITIONS ARE FOUND IN THIS AREA RANGING FROM NEAR NORMAL TO 21% ABOVE NORMAL FOR MAY 1. THE OUTLOOK FOR SPRING AND SUMMER RUN-OFF IS LIKewise EXCELLENT WITH 35% ABOVE NORMAL EXPECTED ON THE NORTH PLATTE AT SINCLAIR AND 17% ABOVE NORMAL ON ROCK CREEK BEING LOWEST IN THE AREA. SEMINOE RESERVOIR HAS AVERAGE STORAGE FOR MAY 1.

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
North Platte River near Northgate	305	128	Apr-Sept	328	238
North Platte River near Sinclair	920	135	Apr-Sept	876	680
Encampment River near Encampment	204	134	Apr-Sept	204	152
Rock Creek near Arlington	68	117	Apr-Sept	77	58
Little Snake near Dixon	390	122	Apr-Sept	389	320
Little Snake near Slater, Colo.	190	123	Apr-Sept	212	154

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper North Platte	15	95	115
Encampment River	3	101	121
Brush Creek	3	79	94
Medicine Bow & Rock Cr.	4	85	108
North Platte above			
Laramie River	23	96	108
Little Snake River	2	93	119

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1017.3	384.1	245.9	383.8

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	THIS YEAR		PAST REC	
		Snow Depth (in.)	Water Cont. (in.)	Water Content (inches)	
				Last Yr.	Ave. †
Albany	4/27	46	18.9	16.7	13.8
Battle Mountain	- No Report			5.6	-
Brooklyn Lake	4/27	73	30.6	33.1	24.6
Butter Hill	- No Report			15.9	-
Cameron Pass	4/27	70	32.4	34.9	32.1
Deep Creek	4/27	28	12.5	13.6	-
Deep Lake	4/26	113	49.0	59.0	46.1
Elkhorn	4/26	72	31.0	41.3	-
Elk River	4/25	55	22.0	22.9	16.1
Evans	4/27	32	12.2	10.4	11.3
Foxpark	4/30	20	7.2	10.0	5.4
Hairpin Turn	4/27	56	23.2	21.6	17.8
Haskins Creek	- No Report			46.2	-
LaBonte	4/30	0	0.0	0.0	2.7
Libby Lodge	4/27	42	17.1	11.2	10.1
Moss Lake	4/26	66	27.5	35.7	28.3
North Barrett Creek	4/27	57	21.6	27.0	24.2
North French Cr. Pillow	4/30	-	28.5	36.3	27.5
Old Battle	4/26	107	44.2	48.6	39.4
Purgatory Gulch	4/26	41	15.8	10.4	11.3
Rock Creek	4/26	85	33.1	36.6	31.4
Ryan Park	4/27	23	7.6	9.4	9.7
Sandstone Ranger Station	4/27	34	14.9	16.6	-
Webber Spring	5/01	58	26.3	26.6	20.6
Whiskey Creek	4/26	87	37.9	38.8	-

+ 1963-1977 period.

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

MAY 1, 1979



YOUR WATER SUPPLY

THE OUTLOOK FOR SPRING AND SUMMER RUNOFF IN THIS BASIN RANGES FROM 24% BELOW NORMAL ON THE LITTLE POPO AGIE TO A HIGH OF 11% BELOW NORMAL ON THE WIND RIVER AT DUBOIS. SNOWPACKS HAVE TAKEN A BIG LOSS DURING APRIL DUE TO SUBNORMAL PRECIPITATION AND WARM TEMPERATURES. RESERVOIR STORAGE IS CURRENTLY 8% ABOVE NORMAL.

WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Wind River near Dubois	98	89	Apr-Sept	119	110
Wind River at Riverton (1)	600	86	Apr-Sept	780	695
Wind River below Boysen (2)	1050	88	Apr-Sept	1332	1193
Bull Lake Creek near Lenore (3)	165	87	Apr-Sept	195	189
Little Popo Agie near Lander	40	76	Apr-Sept	53	53

(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(3) Observed flow plus change in storage in Bull Lake

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper Wind River	9	81	78
Popo Agie	5	151	68
Wind above Boysen	15	102	75
Sweetwater River	3	91	84

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Bull Lake	151.8	106.6	78.6	79.8
Pilot Butte	31.6	25.7	23.9	26.7
Boysen	549.9	253.8	184.0	250.1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Last Yr.	Ave. †
Big Warm Springs	4/28	15	3.4	4.5	6.7
Blue Ridge	4/30	30	9.4	7.4	15.2
Burroughs Creek	4/28	35	13.8	19.4	15.2
Castle Creek	4/29	9	2.8	1.5	-
Dinwoody	5/07	47	10.7	11.9	14.5
DuNoir	4/30	17	5.2	8.9	8.8
Geyser Creek	4/30	15	4.2	4.8	6.8
Grannier Meadows	4/30	41	13.9	14.3	16.9
Hobbs Park	5/07	43	11.6	7.4	18.7
Larsen Creek	5/07	29	10.8	15.2	12.9
Little Warm	4/30	47	16.2	22.0	20.5
Middle Fork	4/27	27	7.5	0.0	7.4
Owl Creek	5/07	28	7.8	0.0	7.8
Sawmill Glade	4/30	12	5.0	0.0	9.5
Sheridan Ranger Station	4/28	16	4.5	0.0	5.5
South Pass	4/30	41	14.6	13.6	17.1
St. Lawrence R.S.	5/07	24	6.8	3.0	9.2
T-Cross Ranch	4/28	14	3.3	1.7	3.9
Togwotee Pass	4/30	62	29.6	38.8	34.4
Townsend Creek	4/30	10	3.5	0.0	-

+ 1963-1977 period

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER GREEN RIVER BASIN IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE
1000 10th Street



YOUR WATER SUPPLY

80 TO 90% OF NORMAL IS THE PROSPECT FOR SPRING AND SUMMER STREAMFLOWS IN THE AREA, SNOWPACKS FIT INTO THE SAME PERCENTAGES OF THE MAY 1 CONDITION, BEING SIGNIFICANTLY REDUCED BY SPARSE APRIL SNOWFALLS, RESERVOIR STORAGE IS ABOVE NORMAL.

UPPER GREEN RIVER BASIN IN WYOMING

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Green River at Warren Bridge	300	89	Apr-Sept	359	336
Green River near LaBarge	840	84	Apr-Sept	1242	999
Green River near Green River (1)	905	83	Apr-Sept	1291	1094
Flaming Gorge Inflow	1200	93	Apr-July	1180	1292
LaBarge Creek at LaBarge Meadows	7.6	86	Apr-Sept	11.6	8.8
Big Sandy River near Big Sandy	54	85	Apr-Sept	75	63

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper Green, East	7	66	86
Upper Green, West	6	60	80
Big Sandy	1	65	89

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (Inches) Last Yr.	Ave †
Big Sandy Opening	5/07	32	13.1	20.2	14.8
East Rim Divide	4/28	30	11.5	17.0	11.8
Elkhart Park G.S.	5/07	32	8.0	21.4	15.4
Grannier Meadows	4/30	41	13.9	14.3	16.9
Gros Ventre Summit	4/29	34	10.4	10.2	12.1
Kendall Ranger Station	4/29	24	9.0	13.3	10.4
Larsen Creek	5/07	29	10.8	15.2	12.9
Loomis Park	4/28	42	16.8	25.8	17.3
New Fork Lake	4/29	31	11.1	13.2	11.4
Pocket Creek	5/07	33	9.3	19.9	14.1
Poison Meadows	4/30	60	26.6	41.0	32.3
Rowdy Creek	4/28	54	22.4	33.6	21.8
Snider Basin R.S.	4/30	27	12.2	19.6	16.2
South Pass	4/30	41	14.6	13.6	17.1
Spring Creek Div. Pillow	4/30	-	20.1	30.7	-
Triple Peaks	4/28	52	22.6	44.0	27.6

RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Eden	11.8	6.2	6.2	4.6
Big Sandy	38.3	30.6	34.0	24.4
Fontenelle	344.8	204.9	204.4	188.7*
Flaming Gorge	3749.0	2475.0	2065.0	-

*Less than 15 years

+ 1963-1977 period

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
WATER RESOURCES DIVISION

MAY 1, 1979



YOUR WATER SUPPLY

RAPIDLY DIMINISHING SNOWPACKS (NOW ABOUT 20% BELOW NORMAL) HAVE REDUCED THE OUTLOOK FOR SPRING AND SUMMER STREAMFLOWS TO A HIGH OF 7% BELOW ON THE FLAMING GORGE INFLOW TO A LOW OF 24% BELOW NORMAL ON THE HAMS FORK. RESERVOIR STORAGE IS GOOD.

LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS		THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
LaBarge Creek at LaBarge Meadows	7.6	86	Apr-Sept	11.6	8.8
Green River near Green River (1)	905	83	Apr-Sept	1291	1094
Hams Fork below Pole Creek, near Frontier	55	76	Apr-Sept	96	72
Blacks Fork near Millburne	81	92	Apr-July	95	92
Flaming Gorge Inflow	1200	93	Apr-July	1180	1292
Smiths Fork near Border	110	92	Apr-Sept	160	120
Thomas Fork near State Line	31	89	Apr-Sept	54	35
Bear River at Utah-Wyoming State Line	95	83	Apr-July	115	114
Henry's Fork near Manila, Utah	44	81	Apr-Sept	-	54

(1) Observed flow plus change in storage in Fontenelle Reservoir.

** Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Smiths & Thomas Forks	4	65	86
Bear River	4	88	77
Green ab. Flaming Gorge	14	63	83

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches) Last Yr.	Ave. †
Big Park	4/30	44	17.8	27.4	22.7
Black's Fork GS-East Fork	4/26	22	7.6	9.8	9.9
Black's Fork Junction	4/26	15	5.3	6.4	8.7
Burts-Miller Ranch	4/26	0	0.0	0.0	3.0
CCC Camp	4/27	22	8.4	10.2	10.4
Hayden Fork	4/26	33	13.5	16.9	16.7
Hewinta Guard Station	4/26	22	9.0	8.3	10.4
Hickerson Park	4/26	22	7.0	3.9	5.9
Kelley Ranger Station	4/30	40	15.4	26.4	19.0
Poison Meadows	4/30	60	26.6	41.0	32.3
Salt River Summit	4/27	34	14.2	19.4	15.4
South Thomas Fork	4/30	34	12.6	19.0	13.0
Spirit Lake	4/26	44	15.3	12.1	15.5
Steel Creek Park	4/26	45	14.2	18.5	18.7
Stillwater Camp	4/26	17	6.1	4.3	10.2
Trial Lake	4/24	67	25.0	30.4	26.1

RESERVOIR STORAGE (Thousand Ac. Ft.)

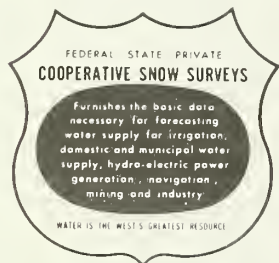
END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Fontenelle	344.8	204.9	204.4	188.7*
Flaming Gorge	3749.0	2475.0	2065.0	-
Viva Naughton	42.4	29.5	21.4	27.4

*Less than 15 years in average

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"The Conservation of Water begins with the Snow Survey"

BASIC DATA SUPPLEMENT 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. †
Afton Ranger Station	4/27	0	0.0	0.0	0.0
Albany	4/27	46	18.9	16.7	13.8
Arrastre Lake Pillow	- No Report	-	-	-	-
Bald Mountain	4/28	65	22.3	34.3	31.1
Battle Mountain	- No Report	-	-	5.6	-
Bearlodge Divide	4/30	0	0.0	0.0	1.1*
Bear Trap Aerial	4/28	25	8.0	9.7	-
Big Goose	4/28	27	6.9	7.1	11.0
Big Park	4/30	44	17.8	27.4	22.7
Big Sandy Opening	5/07	32	13.1	20.2	14.8
Big Sandy Opening	5/07	-	13.0	17.8	-
Big Warm Springs	4/28	15	3.4	4.5	6.7
Black's Fork GS-East Fk.	4/26	22	7.6	9.8	9.9
Black's Fork Junction	4/26	15	5.3	6.4	8.7
Blue Ridge	4/30	30	9.4	7.4	15.2
Bone Spring Divide	4/28	60	16.4	21.7	24.1
Boxelder	4/29	15	5.2	2.2	7.9
Brooklyn Lake	4/27	73	30.6	33.1	24.6
Brooklyn Lake Pillow	4/27	-	22.2	-	-
Bryan Flat	4/29	0	0.0	0.0	3.4
Buck Creek	4/29	22	7.1	6.2	14.0
Burgess Ranger Station	4/28	24	7.3	9.4	11.2
Burroughs Creek	4/28	35	13.8	19.4	15.2
Burroughs Creek Pillow	4/28	-	12.5	18.9	-
Burts-Miller Ranch	4/26	0	0.0	0.0	3.0
Butter Hill	- No Report	-	-	15.9	-
Cameron Pass	4/27	70	32.4	34.9	32.1
Canyon	5/01	35	12.7	16.9	16.9
Canyon Pillow	- No Report	-	-	14.0	-
Carter Mountain	4/28	24	5.6	0.0	7.8
Casper Mountain	5/01	40	14.6	13.4	20.5
Casper Mountain Pillow	5/01	-	10.2	10.5	-
Castle Creek	4/29	9	2.8	1.5	-
CCC Camp	4/27	22	8.4	10.2	10.4
Chambers Lake	4/27	24	10.9	8.4	6.4
Cloud Peak Aerial	4/28	31	9.9	13.4	-
Columbine Lodge	4/26	52	23.8	30.8	20.7
Cooke Station	4/30	60	23.2	27.9	22.7e
Darby Canyon	4/27	65	26.0	25.6	25.5e
Deadman Hill	4/30	52	20.8	16.0	17.8
Deep Creek	4/27	28	12.5	13.6	-
Deep Lake	4/26	113	49.0	59.0	46.1*
Dinwoody	5/07	47	10.7	11.9	14.5
Dinwoody Pillow	- No Report	-	-	14.5	-
Dome Lake	4/28	34	9.0	12.0	13.6
DuNoir	4/30	17	5.2	8.9	8.8
East Entrance	5/02	0	0.0	0.0	4.0*
East Rim Divide	4/28	30	11.5	17.0	11.8
Elbo Ranch	- No Report	-	-	-	-
Elkhart Park G.S.	5/07	32	8.0	21.4	15.4
Elkhorn	4/26	72	31.0	41.3	-
Elk River	4/25	55	22.0	22.9	16.1
Evans	4/27	32	12.2	10.4	11.3
Fisher Creek	4/30	96	40.7	47.0	45.1e
Fisher Creek Pillow	4/30	-	37.9	42.8	41.9e
Five Springs Falls	4/30	12	2.9	8.9	8.3
Foxpark	4/30	20	7.2	10.0	5.4
Fred's Mountain	4/27	62	24.7	30.1	21.1e
Geneva Pass Aerial	4/28	46	13.3	17.9	-
Geyser Creek	4/30	15	4.2	4.8	6.8
Glade Creek	4/30	45	22.2	23.9	-
Grannier Meadows	4/30	41	13.9	14.3	16.9
Grassy Lake	4/30	78	39.6	41.6	36.4
Greys Boundary	4/27	0	0.0	0.0	4.3*
Gros Ventre Summit	4/29	34	10.4	10.2	12.1
Gros Ventre Summit Pillow	4/28	-	11.1	-	-

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. †
Grover Park Divide	4/27	19	7.0	9.2	11.2
Hairpin Turn	4/27	56	23.2	21.6	17.8
Haskins Creek	- No Report	-	-	46.2	-
Hayden Fork	4/26	33	13.5	16.9	16.7
Hewinta Guard Station	4/26	22	9.0	8.3	10.4
Hickerson Park	4/26	22	7.0	3.9	5.9*
Hobbs Park	5/07	43	11.6	7.4	18.7
Hobbs Park Pillow	- No Report	-	-	-	-
Indian Meadows	4/27	88	35.8	42.7	39.9e
Jackpine Creek	4/27	54	21.8	21.4	24.1e
Joe Wright	4/27	71	30.2	31.7	28.8*
Kelley Ranger Station	4/30	40	15.4	26.4	19.0
Kelley R.S. Pillow	4/30	-	14.6	-	-
Kendall Ranger Station	4/29	24	9.0	13.3	10.4
LaBonte	4/30	0	0.0	0.0	2.7
Lake Camp	5/02	21	7.4	9.7	8.8
LaPrele Pillow	- No Report	-	-	10.9	-
Larsen Creek	5/07	29	10.8	15.2	12.9
Lewis Lake Divide	4/30	89	41.7	51.1	44.7
Lewis Lake Divide Pillow	4/30	-	30.2	48.2	-
Libby Lodge	4/27	42	17.1	11.2	10.1
Little Warm	4/30	47	16.2	22.0	20.5
Little Warm Pillow	4/30	-	7.1	-	-
Loomis Park	4/28	42	16.8	25.8	17.3
Loomis Park Pillow	4/28	-	16.5	-	-
Lost Lake	4/27	36	13.3	11.4	9.6
Lupine Creek	5/04	18	7.2	6.2	8.9
Mallo Pillow	4/30	0	0.0	0.0	-
Marquette Creek	4/28	26	5.8	4.5	-
McIntyre	4/26	40	14.4	9.1	10.7
Medicine Lodge Lakes	4/28	43	13.3	18.3	13.9
Middle Fork	4/27	27	7.5	0.0	7.4*
Middle Powder	4/29	30	8.2	16.0	16.8*
Middle Powder Pillow	4/29	-	10.6	19.9	-
Miles Creek	4/27	26	10.4	4.6	11.4e
Monte Cristo	4/25	54	24.7	28.9	27.6
Moss Lake	4/26	66	27.5	35.7	28.3*
Mount Tom Pillow	- No Report	-	-	-	-
Muddy Creek Guard Station	4/28	19	5.6	3.0	4.6
New Fork Lake	4/29	31	11.1	13.2	11.4
Norris Basin	5/02	20	7.9	7.2	8.6*
North Barrett Creek	4/27	57	21.6	27.0	24.2
Northeast Entrance	4/30	22	8.0	6.8	8.5
Northeast Entrance Pillow	4/30	-	8.9	5.2	8.2
North French Cr. Pillow	4/30	-	28.5	36.3	27.5
Northgate	4/27	14	4.4	2.2	4.1
North Tongue	4/28	41	12.7	15.2	16.6
Old Battle	4/26	107	44.2	48.6	39.4
Old Battle Pillow	4/26	-	48.7	26.5	-
Old Faithful	5/01	27	10.9	10.2	-
Onion Gulch	4/28	28	7.3	12.1	11.0
Owl Creek	5/07	28	7.8	0.0	7.8
Park View	4/26	34	12.2	4.6	6.8
Phillips Bench	4/30	79	33.2	41.4	31.5*
Phillips Bench Pillow	4/30	-	29.4	41.4	-
Pocket Creek	5/07	33	9.3	19.9	14.1
Poison Meadows	4/30	60	26.6	41.0	32.3
Pole Mountain	4/27	15	5.1	0.0	3.5
Powder River Pass	4/28	37	11.4	12.8	14.4*
Powder River Pass Pillow	4/28	-	10.6	-	-
Purgatory Gulch	4/26	41	15.8	10.4	11.3*
Rabbit Ears	4/26	78	30.7	38.8	27.1
Ranger Creek	4/28	26	7.2	12.4	10.5
Reuter Canyon	4/30	0	0.0	0.4	6.9*
Roach	4/26	71	26.8	22.2	19.5
Rock Creek	4/26	85	33.1	36.6	31.4

BASIC DATA SUPPLEMENT 1

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. +
Rowdy Creek	4/28	54	22.4	33.6	21.8
Ryan Park	4/27	23	7.6	9.4	9.7
Salt River Summit	4/27	34	14.2	19.4	15.4
Salt River Summit Pillow	- No Report	-	-	-	-
Sandstone Ranger Station	4/27	34	14.9	16.6	-
Sawmill Divide	4/28	46	13.2	15.9	-
Sawmill Glade	4/30	12	5.0	0.0	9.5
Shell Creek	4/28	55	16.0	21.0	18.2
Sheridan Ranger Station	4/28	16	4.5	0.0	5.5
Snider Basin Ranger Sta.	4/30	27	12.2	19.6	16.2
Snow King Mountain	5/01	33	13.2	14.2	14.8*
Soldier Park	4/28	25	6.6	7.2	8.2*
Sour Dough	4/28	26	7.0	7.3	8.2*
South Brush Creek Pillow	4/27	-	12.2	14.3	-
South Pass	4/30	41	14.6	13.6	17.1
South Thomas Fork	4/30	34	12.6	19.0	13.0*
Spirit Lake	4/26	44	15.3	12.1	15.5
Spring Creek Divide Pillow	4/30	-	20.1	30.7	-
State Line	4/27	34	15.2	0.0	10.7
Steamboat Point	4/28	27	8.2	7.9	12.9
Steel Creek Park	4/26	45	14.2	18.5	18.7
Stillwater Camp	4/26	17	6.1	4.3	10.2*
St. Lawrence R.S.	5/07	24	6.8	3.0	9.2
St. Lawrence R.S. Pillow	5/07	-	6.4	3.3	-
Sucker Creek	4/28	32	9.1	15.3	17.8
Sweetwater Mountain Pillow	4/30	0	0.0	0.0	-
Sylvan Pass	5/02	14	5.4	11.0	11.0
T-Cross Ranch	4/28	14	3.3	1.7	3.9
Teton Pass W.S.	4/30	71	31.7	33.2	28.9*
Timber Creek	4/28	16	4.9	0.0	5.0
Togwotee Pass	4/30	62	29.6	38.8	34.4
Togwotee Pass Pillow	4/30	-	24.7	30.7	-
Townsend Creek	4/30	10	3.5	0.0	-
Trial Lake	4/24	67	25.0	30.4	26.1
Triple Peaks	4/28	52	22.6	44.0	27.6
Twenty-One Mile	4/28	38	16.8	15.7	18.6
Tyrell Ranger Station	4/28	28	6.9	10.4	10.2
Warren Peak	4/30	0	0.0	1.8	8.8*
Webber Spring	5/01	58	26.3	26.6	20.6
Webber Spring Pillow	5/01	-	37.8	37.7	-
West Yellowstone	4/28	23	10.1	8.2	9.1
Whiskey Creek	4/26	87	37.9	38.8	-
White Mill	4/30	77	30.7	37.1	31.9e
White Mill Pillow	4/30	-	28.5	33.2	28.1e
Willow Creek Pass	4/26	46	18.0	11.6	10.8
Wolverine	4/29	38	14.8	10.4	12.3*
Wood Rock Guard Station	4/28	33	10.1	13.7	14.7

* Less than 15 years
e Estimated average

SNOW

SNOW	THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. +

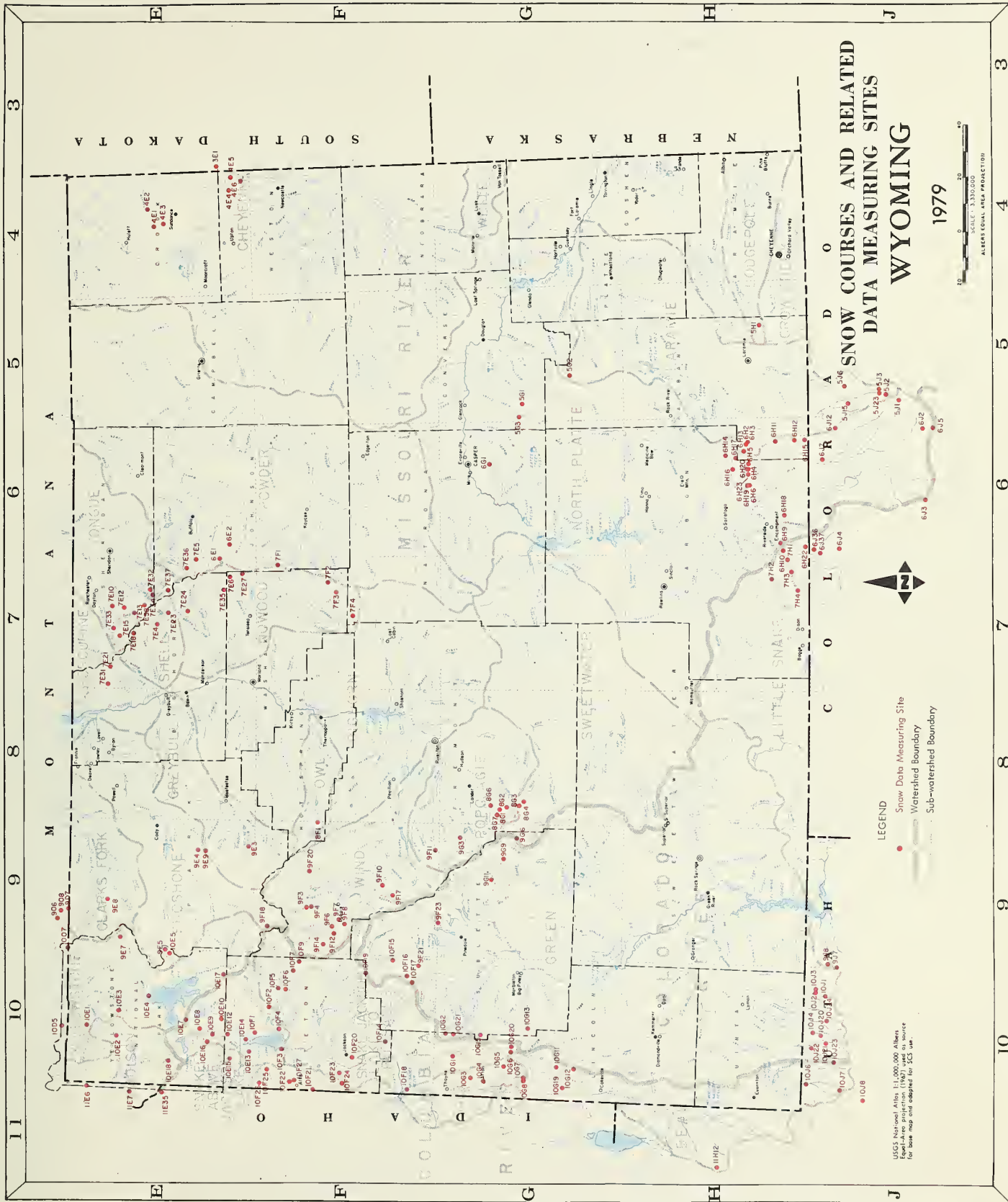
* Less than 15 years
e Estimated average

BASIC DATA SUPPLEMENT 2

PRECIPITATION (Inches) FOR THE MONTH OF APRIL

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION		PAST RECORD	
		Date of Reading	Precipitation	Last Year	Average [†]
Arrastre Lake	10280	- No Report -	-	-	-
Bald Mountain	9380	4/30	3.40	-	-
Battle Mountain	7440	- No Report -	-	-	-
Bearlodge Divide (Alva) (NWS)	4390	4/30	1.49	4.46	3.72
Big Sandy Opening	9080	4/30	1.20	3.00	2.41
Blind Bull Summit	8650	4/30	1.80	-	-
Bone Springs Divide	9350	4/30	2.80	-	-
Brooklyn Lake	10220	4/27	5.62	2.88	2.42
Burgess R.S. (NWS)	7880	4/30	1.98	-	-
Burroughs Creek	8750	4/28	1.75	1.25	-
Canyon	7940	- No Report -	-	2.25	-
Carter Mountain	7950	4/28	2.00	1.65	2.29*
Casper Mountain	7850	4/30	2.69	5.40	4.16*
Dome Lake	8870	4/30	2.50	-	-
East Rim Divide	7930	5/01	0.44	1.05	2.08
Elkhart Park G.S.	9400	5/07	1.25	3.25	2.43*
Grassy Lake	7265	4/30	3.80	3.65	4.29
Gros Ventre Summit	8750	4/28	1.50	-	-
Grover Park Divide	7000	4/27	2.55	3.75	2.50*
Haskins Creek	8975	- No Report -	-	-	-
Hobbs Park	10100	5/07	3.50	4.25	-
Kelley Ranger Station	8180	4/30	2.00	3.75	2.31*
Lewis Lake Divide	7850	4/30	3.80	3.90	3.38*
Little Warm	9620	4/30	1.50	-	-
Loomis Park	8240	4/28	1.37	-	-
Louis Lake	8500	4/30	1.80	1.12	2.34*
Middle Powder	7760	4/29	2.00	-	-
Moran (NWS)	6500	4/30	0.69	1.72	1.81
North French Creek	10125	4/30	3.40	2.76	3.52*
Old Battle	9920	- No Report -	-	-	3.43*
Onion Gulch	8780	- No Report -	-	-	2.97*
Owl Creek	8975	5/07	2.00	-	-
Phillips Bench	8200	4/30	3.25	3.50	-
Pole Mountain	8360	4/27	1.10	0.40	1.83*
Powder River Pass	9480	4/30	3.25	-	2.93
Rock Creek	9980	4/26	4.75	2.52	1.90*
Salt River Summit	7700	4/27	2.43	-	1.52
Sandstone R.S.	8150	4/27	4.50	2.80	-
Shell Creek	9580	4/30	2.90	-	-
Snake River Station (NWS)	6920	4/30	1.93	2.07	2.32
Snider Basin	8060	4/30	1.00	2.12	1.91
South Brush Creek	8440	4/27	3.00	1.50	-
Spring Creek Divide	9000	4/30	1.75	-	-
St. Lawrence R.S.	8960	4/30	0.90	3.00	-
Sucker Creek	8880	4/30	2.90	-	-
Sweetwater Mountain	5860	4/30	1.75	2.00	-
Sylvan Lake	7100	- No Report -	-	-	-
Timber Creek	7950	4/28	1.50	1.60	3.30*
Togwotee Pass	9580	4/30	3.10	2.85	3.52
Townsend Creek	8700	4/30	3.00	-	-
Warren Peak	6520	- No Report -	-	1.00	2.34*
Webber Spring	9250	4/30	3.10	3.12	-
Wolverine	7650	4/29	2.75	-	-

(NWS) National Weather Service report
 * Less than 15 years in average



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